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U.S. DEPARTMENT OF COMMERCE

SON-2346

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)

(1) Takeshi FUNAHASHI

Additional name(s) of conveying party(ies) attached No.

2. Name and address of receiving party(ies)

Name: SONY CORPORATION

Internal Address:

Street Address: 7-35 KITASHINAGAWA 6-CHOME
SHINAGAWA-KU

City: TOKYO, JAPAN

Additional name(s) & address(es) attached ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name

Execution Date:

04/24/02

4. Application number(s) or patent number(s): 10/091,294

If the document is being filed together with a new application, the execution date of the application

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Ronald P. Kananen, Esq.

Internal Address: RADER, FISHMAN & GRAUER
Suite 501Street Address: 1233 20th Street, NW

City: Washington, D.C. Zip: 20036

6. Total number of applications and patents involved:..... 1

7. Total fee (37 CFR 3.41)..... \$ 40.00

☐ Enclosed☒ Authorized to be charged to Deposit Account

8. Deposit account number:

18-0013

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Ronald P. Kananen

Name of Person Signing

Signature

May 6, 2002

Date

Total number of pages comprising cover sheet 1

Attorney's Docket No. SON-2346

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

English Language Declaration

OIPE
 MAY 06 2002
 PATENT & TRADEMARK OFFICE

As below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled FINGERPRINT IDENTIFICATION SYSTEM, FINGERPRINT IDENTIFICATION APPARATUS, FINGERPRINT IDENTIFICATION METHOD, AND BIOMETRIC IDENTIFICATION APPARATUS the specification of which

(check one)

is attached hereto.

X was filed on MARCH 6, 2002 as

Application Serial No. 10/091,294
and was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed
<u>P2001-062859</u> (Number)	<u>Japan</u> (Country)	<u>07/03/2001</u> (Day/Month/Year Filed)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<u>P2001-345719</u> (Number)	<u>Japan</u> (Country)	<u>12/11/2001</u> (Day/Month/Year Filed)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No

We hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 and 1.63(d) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
_____	_____	_____

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Attorney's Docket Number: SON-2346

English Language Declaration

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Ronald P. Kananen, Reg. No. 24,104; Ralph T. Rader, Reg. No. 28,772;
Michael D. Fishman, Reg. No. 31,951, Richard D. Grauer, Reg. No. 22,388;
Joseph V. Coppola, Sr., Reg. No. 33,373; Michael B. Stewart, Reg. No.
36,018; Steven L. Nichols, Registration No. 40,326

Send Correspondence to:

Direct telephone calls to:

Ronald P. Kananen, Esq.
RADER, FISHMAN & GRAUER
The Lion Building
1233 20th Street, N.W., Suite 501
Washington, D.C. 20036

Ronald P. Kananen, Esq.
(202) 955-3750

Full name of first joint inventor	TAKESHI FUNAHASHI	
Inventor's signature	TAKESHI FUNAHASHI	Date April 24, 2002
Residence	SAITAMA, JAPAN	
Citizenship	JAPANESE	
Post Office Address	c/o SONY CORPORATION 7-35, KITASHINAGAWA 6-CHOME, SHINAGAWA-KU, TOKYO, JAPAN	
Full name of second joint inventor		
Second Inventor's signature		Date
Residence		
Citizenship	JAPANESE	
Post Office Address	c/o SONY CORPORATION 7-35, KITASHINAGAWA 6-CHOME, SHINAGAWA-KU, TOKYO, JAPAN	
Full name of third joint inventor		
Third Inventor's signature		Date
Residence		
Citizenship	JAPANESE	
Post Office Address	c/o SONY CORPORATION 7-35, KITASHINAGAWA 6-CHOME, SHINAGAWA-KU, TOKYO, JAPAN	

(Supply similar information and signature for subsequent joint inventors.)

Docket Number: SON-2346

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in FINGERPRINT IDENTIFICATION SYSTEM, FINGERPRINT IDENTIFICATION APPARATUS, FINGERPRINT IDENTIFICATION METHOD, AND BIOMETRIC IDENTIFICATION APPARATUS for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, Sony Corporation, a Japanese corporation with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan (hereinafter referenced as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number: 10/091,294, Filing Date: MARCH 6, 2002.

This assignment executed on the dates indicated below.

TAKESHI FUNAHASHI

Name of first or sole inventor

Execution date of U.S. Patent Application

SAITAMA, JAPAN

Residence of first or sole inventor

TAKESHI FUNAHASHI

April 24, 2002

Signature of first or sole inventor

Date of this assignment